

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT
(PCT Rule 72.2)

To:

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Eingegangen**25. OKT. 2004**

Patentanwälte
Dr. Pfeifer & Dr. Jany

Date of mailing (<i>day/month/year</i>) 21 October 2004 (21.10.2004)	
Applicant's or agent's file reference NDT 101/00/WO	IMPORTANT NOTIFICATION
International application No. PCT/EP2003/002380	International filing date (<i>day/month/year</i>) 08 March 2003 (08.03.2003)
Applicant NDT SYSTEMS & SERVICES AG et al	

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

2. Transmittal of the copy of the translation to the elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

AZ, CA, CH, CN, CO, GH, KG, KP, KR, MK, MZ, RU, TM

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, BA, BB, BG, BR, BY, BZ, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EP, ES, FI, GB, GD, GE, GM, HR, HU, ID, IL, IN, IS, JP, KE, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PH, PL, PT, RO, SC, SD, SE, SG, SK, SL, TJ, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

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Translation

PATENT COOPERATION TREATY

PCT/EP2003/002380



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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference NDT 101/00/WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP2003/002380	International filing date (day/month/year) 08 March 2003 (08.03.2003)	Priority date (day/month/year) 12 March 2002 (12.03.2002)
International Patent Classification (IPC) or national classification and IPC F16L 55/26		
Applicant NDT SYSTEMS & SERVICES AG		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 18 August 2003 (18.08.2003)	Date of completion of this report 03 June 2004 (03.06.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP2003/002380

I. Basis of the report

1. With regard to the elements of the international application:*

☒ the international application as originally filed☒ the description:

pages 1-26, as originally filed

pages, filed with the demand

pages, filed with the letter of

☒ the claims:

pages 1-40, as originally filed

pages, as amended (together with any statement under Article 19

pages, filed with the demand

pages, filed with the letter of

☒ the drawings:

pages 1/22-22/22, as originally filed

pages, filed with the demand

pages, filed with the letter of

☐ the sequence listing part of the description:

pages, as originally filed

pages, filed with the demand

pages, filed with the letter of

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).☐ the language of publication of the international application (under Rule 48.3(b)).☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.☐ filed together with the international application in computer readable form.☐ furnished subsequently to this Authority in written form.☐ furnished subsequently to this Authority in computer readable form.☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.4. ☐ The amendments have resulted in the cancellation of:☐ the description, pages☐ the claims, Nos.☐ the drawings, sheets/fig5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-40	YES
	Claims		NO
Inventive step (IS)	Claims	1-40	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-40	YES
	Claims		NO

2. Citations and explanations

Reference is made to the following documents:

D1: WO 00 08378 A (CHERNYAEV KONSTANTIN VALERIEVI;
KRJUCHKOV ANATOLY VLADIMIROVIC (RU))

17 February 2000 (2000-02-17)

D2: WO 00 08377 A (CHERNYAEV KONSTANTIN VALERIEVI;
KRJUCHKOV ANATOLY VLADIMIROVIC (RU))

17 February 2000 (2000-02-17)

D1 is considered the prior art closest to the subject matter of claim 1 and discloses:

a segment (12) for a sensor carrier body (3) of a scraper, the sensor carrier body (3) being composed of segments of this type and forming a hollow body with a cylindrical enveloping surface and the scraper being movable through a pipeline (abstract, line 1) for inspecting pipelines, the sensor carrier body being equipped with sensors (22) necessary for inspecting the pipeline, the segment comprising at least two pairs of runners (see figure 1), each of which consists of two substantially mutually parallel runners (see figure 3), the runners being oriented in the direction of movement of the scraper

(see figure 1), a carrier plate for sensors (21) being arranged between the runners of at least one pair and being connected to the runners in said pair (see figure 3), and the segment being designed such that it can be connected to further such segments by means of a segment-connecting device to form the hollow body with the cylindrical enveloping surface (abstract, lines 3 and 4; and figure 1).

The subject matter of claim 1 differs from that of D1 in that the segment runner pairs are arranged one after the other counter to the direction of movement of the scraper, and in that the successive runners are resiliently interconnected by means of connection elements.

The problem of interest is to produce a segment for a scraper sensor carrier body, which is composed of segments of this type and forms a hollow body with a cylindrical enveloping surface, the body being able to pass around bends more easily.

Neither of the above documents discloses or suggests the solution of arranging segment runner pairs one after the other counter to the direction of movement of the scraper and resiliently interconnecting the successive runners by means of connection elements.

Therefore the subject matter of claim 1 is novel (PCT Article 33(2)) and involves an inventive step (PCT Article 33(3)).

Claims 2 to 40 are dependent on claim 1 and hence likewise meet the PCT novelty and inventive step requirements.

Claims 1 to 40 also meet the PCT industrial applicability requirements (PCT Article 33(4)).